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SOURCE Newspapers as indicated.

SPEED-UP OF METAL CUTTING  
STILL IN SPOTLIGHT

NEW CUTTER CUTS TIME, BOOSTS PRODUCTION -- Trud, No 222, 20 Sep 49

A new-design face-miller with a negative front angle of 20-22 degrees is in operation at the Shostka Agricultural Machine Plant. The teeth are more durable and the machine works faster than other models.

The device is used on vertical milling machines. It has a cutting speed of 750 meters per minute, and has increased the productivity of labor 30-40 times.

HIGH-SPEED METHODS IN TRACTOR SHOP -- Leningradskaya Pravda, No 222, 20 Sep 49

Forty labor-consuming operations have been eliminated from milling processes in the tractor shop of the Kirov Plant.

An attachment consisting of a magnetic plate and an air cylinder is used, and has increased the cutting speed of the machine tool from 200 to 267 meters per minute.

Electric spark units for treating tools have been set up in six shops, including the tractor shop and machine shop No 1. This treatment has raised the durability of the tools two to three times.

The electric spark treatment of cutting tools is employed in the "Elektrosila" and other Leningrad plants.

TURN OUT HIGH-SPEED MACHINE TOOL -- Komsomol'skaya Pravda, No 223, 21 Sep 49

The Moscow Krasnyy proletariy Plant has completed the design of a new universal high-speed combination machine tool. Its cutting speed is expected to reach 950 meters per minute.

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## DESIGN NEW HIGH-SPEED MACHINE TOOL -- Leningradskaya Pravda, No 223, 21 Sep 49

The Technical Council is the central planning and policy-making unit of any plant. It is the clearing house for all suggestions and innovations made for speeding up production and making better use of labor.

For example, the initiative of the Technical Council was instrumental in the design of a new horizontal-boring machine tool at the Plant imeni Sverdlov, which is a milestone in world technology and will serve as a model for other heavy boring, duplicating, and milling machines soon to be produced.

Similarly, the Technical Council instituted a high-speed assembly method at the Plant imeni Stalin, which has resulted in a sharp reduction of the production cycle.

## SPEED WORK AT KRASNYY PROLETARIY -- Komsomol'skaya Pravda, No 214, 10 Sep 49

All the suburban Moscow metalworking plants have their quotas of high-speed lathe, milling machine, and gear-cutting machine operators. The Moscow Krasnyy proletariy is a typical example. A year ago, stripping operations in the production of small 52-millimeter-diameter rollers were done at the rate of 40 meters per minute; today, the rate is double that amount, and reaches 140 meters per minute on some high-speed machine tools.

## NEW CUTTER SPEEDS MACHINING RATE -- Sovetskaya Latvya, No 229, 28 Sep 49

The new "VK-2" cutter, of wolfram-cobalt alloy, has made possible the machining of parts in the "Borets" Plant, Moscow, at the rate of 200-290 meters per minute for cast iron, and 120 meters for raw modified cast iron. Using the old cutters, the rate for machining cast-iron parts was only 60-70 meters per minute.

## TOOL PLANT PUSHES PRODUCTION -- Sovetskaya Belorussiya, No 193, 28 Sep 49

The Instrument Plant imeni Chkalov, Minsk, has made great strides in introducing new attachments, shortening the production cycle, and raising the productivity of its machine tools. New techniques in machining dies on automatic and semiautomatic turret lathes have raised the productivity of labor three times for certain operations. The plant is one of the first in the republic to complete the Five-Year Plan.

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